## BRIDE

TO BE KEPT UNDER LOCK AND KEY : NEVER TO BE REMOVED FROM THE OFFICE.



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Cupy No: 76

INFARMATION MARK "ARREVIJ" ON A JET AIRCRAFT ENGINE.

From: NEW YORK

NOSCOV  $T \cup :$ 

No: 1152

12 ..uz 1944

To VICTOR.

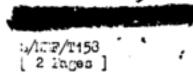
- The number of chambers has been 1c occibusti.n chambers. reduced as a result of cuttin; down the fuel. The number of chambers that has been picked is considered to be the optimen.
- The ignition has been simplified. Sparking plugs have been left in only two chembers. ..ll the chembers are connected together by tubes along which the flame is distributed to the other chembers. ..fter combustion [starts][a] the ignition is switched off in all the chambers.
- Combustion of the paraffih and air mixture takes place continuoualy. ir compressed to a prossure of 4 atmospheres enters the distributing helix whence via

[27 groups unreceverable]

- The temperature in the combustion chamber is 1760°
- The chamber has inside it a second cylinder with apertures all over its surface, combustion takes place in this cylinder, and the

[Continued overleaf]

Distribution





compressed air passes through the apertures into the interior of the cylinder. This design was chosen using to the difficulty of selecting cuitable heat-resisting steel for the chamber. It present the interior perforated cylinder is changed every 14 hours.

6. Instead of an axial flow gas turbine there is fitted [1 group unrecovered] tangential flow turbine [1 group unrecovered] the latter [1 group unrecovered] checking.

No. 639.

iii (.iu][111]

T.N.: [a] Inserted by the translator.

Comments: [i] ARSENIJ: Andrej Ivanovich ShEVChENKO.

[ii] The following details relate to a jet aircraft engine.

[iii] www. Favel Ivanovich FED SIMOV.

. 7.S. No. XY-50.2